Refine Search

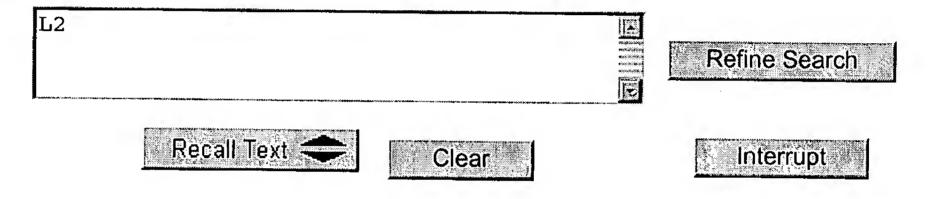
Search Results -

Terms	Documents
(THERMAL ENERGY OR HEAT) AND OXID\$6 AROMATIC CARBOXYLIC ACID	32

US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search:

Database:



Search History

DATE: Tuesday, October 12, 2004 Printable Copy Create Case

Set Name side by side	Query	<u>Hit</u> Count	<u>Set</u> <u>Name</u> result set
DB=P	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD; PLUR=YES; OP=ADJ		
<u>L2</u>	(THERMAL ENERGY OR HEAT) AND OXID\$6 AROMATIC CARBOXYLIC ACID	32	<u>L2</u>
<u>L1</u>	THERMAL ENERGY AND AROMATIC CARBOXYLIC ACID	318	<u>L1</u>

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
L4 and enthalpy	0

Database:

US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search:

L6		E	Refine Search
Recall Text	Clear ::		Interrupt

Search History

DATE: Wednesday, October 13, 2004 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=PGPB	, USPT, USOC, EPAB, JPAB, DWPI, TDBD; PLUR=Y	ES; OP=ADJ	
<u>L6</u>	L4 and enthalpy	0	<u>L6</u>
<u>L5</u>	L4 and working fluid	0	<u>L5</u>
<u>L4</u>	L1 and 562/\$	19	<u>L4</u>
<u>L3</u>	L1 and (rankine cycle or kallina cycle)	0	<u>L3</u>
<u>L2</u>	L1 and power cycle	0	<u>L2</u>
<u>L1</u>	terephthalic acid and thermal energy	519	<u>L1</u>

END OF SEARCH HISTORY

Clear Generate Collection Print Fwd Refs Bkwd Refs
Generate OACS

Search Results - Record(s) 1 through 10 of 32 returned.

☐ 1. Document ID: US 20040199006 A1

Using default format because multiple data bases are involved.

L2: Entry 1 of 32

File: PGPB

Oct 7, 2004

Apr 15, 2004

PGPUB-DOCUMENT-NUMBER: 20040199006

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040199006 A1

TITLE: Production of aromatic carboxylic acids

PUBLICATION-DATE: October 7, 2004

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47 Graham, Derek Alexander Cleveland GB Hamley, Paul Anthony Nottingham GB Oliver, Raymond Stockton On Tees GB Poliakoff, Martyn Nottingham GB Woodcock, Duncan C. Cheshire GB Ilkenhans, Thomas Cambridge GB

US-CL-CURRENT: <u>562/412</u>

Full	Ų,	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. D

File: PGPB

PGPUB-DOCUMENT-NUMBER: 20040069637

PGPUB-FILING-TYPE: new

L2: Entry 2 of 32

DOCUMENT-IDENTIFIER: US 20040069637 A1

TITLE: Electrodepositable coating compositions and related methods

PUBLICATION-DATE: April 15, 2004

INVENTOR-INFORMATION:

NAME
CITY STATE COUNTRY RULE-47
Eswarakrishnan Vonkatachalam Nalidan Bank Dank

Eswarakrishnan, Venkatachalam Allison Park PA US Kaylo, Alan J. Glenshaw PA US

McCollum, Gregory J.

Gibsonia

PA US

Buskirk, Ellor James

Wexford

PAUS

US-CL-CURRENT: 204/489; 106/147.1

Citation Front Review Classification Date Reference Sequences Attachments Claims

3. Document ID: US 20020193629 A1

L2: Entry 3 of 32

File: PGPB

Dec 19, 2002

PGPUB-DOCUMENT-NUMBER: 20020193629

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020193629 A1

TITLE: PROCESS FOR PRODUCTION OF AROMATIC CARBOXYLIC ACIDS WITH IMPROVED WATER

REMOVAL TECHNIQUE

PUBLICATION-DATE: December 19, 2002

INVENTOR-INFORMATION:

NAME

CITY

STATE

RULE-47

Miller, Harold David JR.

US

Kingsport

TN

TN

Lin, Robert de Vreede, Marcel

Kingsport Poortugaal

US

NL

COUNTRY

US-CL-CURRENT: <u>562/412</u>

Title Citation Front Review Classification Date Reference Sequences Attachments Claims

Document ID: US 20020028968 A1

L2: Entry 4 of 32

File: PGPB

Mar 7, 2002

PGPUB-DOCUMENT-NUMBER: 20020028968

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020028968 A1

TITLE: Production of aromatic carboxylic acids

PUBLICATION-DATE: March 7, 2002

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47 Graham, Derek Alexander Cleveland GB Hamley, Paul Anthony Nottingham GB Ilkenhans, Thomas Cambridge GB Oliver, Raymond Stockton on Tees GB Poliakoff, Martyn Nottingham GB Woodcock, Duncan C. Cheshire GB

Nov 15, 2001

US-CL-CURRENT: <u>562/415</u>

Full	Title	Citation	Front	Review	Classification	Date	Refere	nce Sequence	s Attachments	Claims	KWIC	Draw, De
	···			***************************************								
	5. I	Docume	nt ID:	US 20	010041811	A 1						
L2: E	Entry	5 of 3	32			F	File:	PGPB		Nov	15,	2001

PGPUB-DOCUMENT-NUMBER: 20010041811

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010041811 A1

TITLE: Production of high purity aromatic carboxylic acid by oxidation in benzoic acid and water solvent

PUBLICATION-DATE: November 15, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Sikkenga, David L.	Wheaton	IL	US	
Pandya, Alpen K.	Naperville	IL	US	
Zaenger, Ian C.	Naperville	IL	US	
Abrams, Kenneth J.	Naperville	IL	US	
Bartos, Thomas M.	Naperville	IL	US	

US-CL-CURRENT: <u>562/416</u>; <u>562/417</u>

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Drawi (
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6. Document ID: US 6765113 B2

L2: Entry 6 of 32

File: USPT

Jul 20, 2004

US-PAT-NO: 6765113

DOCUMENT-IDENTIFIER: US 6765113 B2

TITLE: Production of aromatic carboxylic acids

Full	Title	Citation	Front	Review	Classification	Date	Reference	SHIPPINGS!	Claims	KWIC	Draw, D
	7. D	ocumei	nt ID:	US 65	62997 B2			A continue of the distance of the second second second			

US-PAT-NO: 6562997

DOCUMENT-IDENTIFIER: US 6562997 B2

TITLE: Production of high purity aromatic carboxylic acid by oxidation in benzoic acid and water solvent

Full Title Citation Front Review Classification Date Reference Sequences Attachnique Claims KWC Draw De B. Document ID: US 6528683 B1

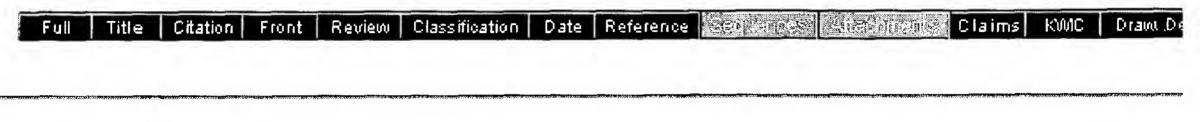
L2: Entry 8 of 32 File: USPT Mar 4, 2003

US-PAT-NO: 6528683

DOCUMENT-IDENTIFIER: US 6528683 B1

** See image for Certificate of Correction **

TITLE: Method for producing shell catalysts for the catalytic vapor-phase oxidation of aromatic hydrocarbons and catalysts obtained in such a manner



9. Document ID: US 6504051 B1

L2: Entry 9 of 32

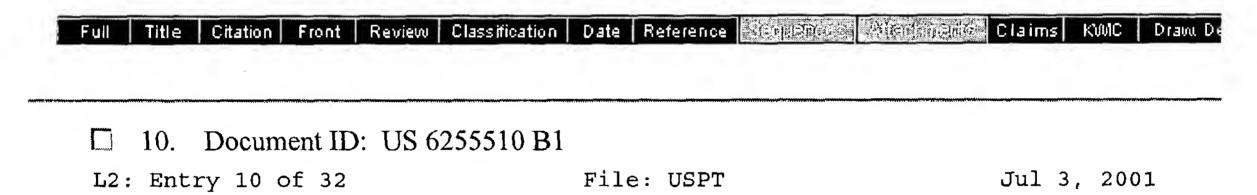
File: USPT

Jan 7, 2003

US-PAT-NO: 6504051

DOCUMENT-IDENTIFIER: US 6504051 B1

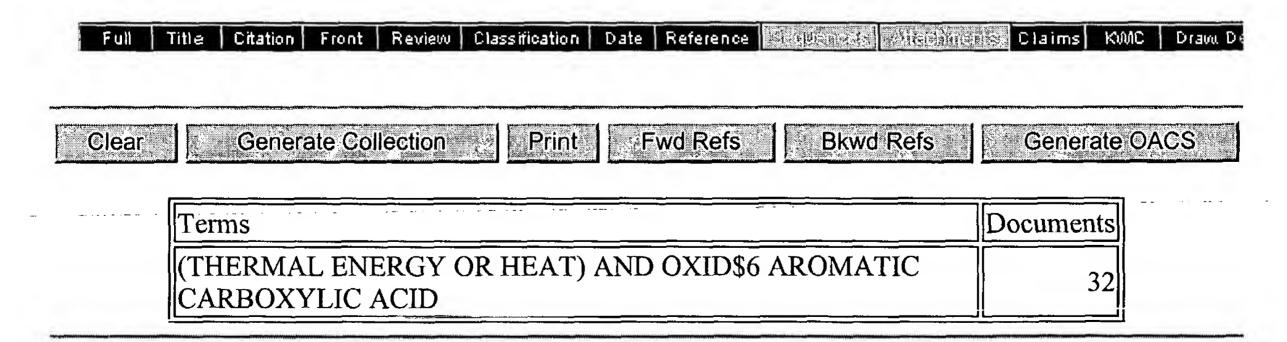
TITLE: Process for production of aromatic carboxylic acids with improved water removal technique



US-PAT-NO: 6255510

DOCUMENT-IDENTIFIER: US 6255510 B1

TITLE: Production of aromatic carboxylic acids and recovery of Co/Mn catalyst from ash



Change Format **Display Format:** -

Previous Page

Next Page

Clear Generate Collection Print Fwd Refs Bkwd Refs
Generate OACS

Search Results - Record(s) 11 through 20 of 32 returned.

☑ 11. Document ID: US 6143925 A

Using default format because multiple data bases are involved.

L2: Entry 11 of 32

File: USPT

Nov 7, 2000

US-PAT-NO: 6143925

DOCUMENT-IDENTIFIER: US 6143925 A

TITLE: Process for producing aromatic carboxylic acid

DATE-ISSUED: November 7, 2000

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY
Tomitaka; Tadashi Ohtake

Umeda; Michio Ohtake JP

Iwata; HideakiChibaJPNakao; FujimasaOhtakeJP

US-CL-CURRENT: 562/412; 562/409

Full Title Citation Front Review Classification Date Reference Segundars, Patrological Claims KWIC Draw, De

☐ 12. Document ID: US 5880313 A

L2: Entry 12 of 32

File: USPT

Mar 9, 1999

US-PAT-NO: 5880313

DOCUMENT-IDENTIFIER: US 5880313 A

TITLE: Process for producing aromatic carboxylic acid

Full Title Citation Front Review Classification Date Reference Securities Attachments Claims KWC Draw De

☐ 13. Document ID: US 5510521 A

L2: Entry 13 of 32

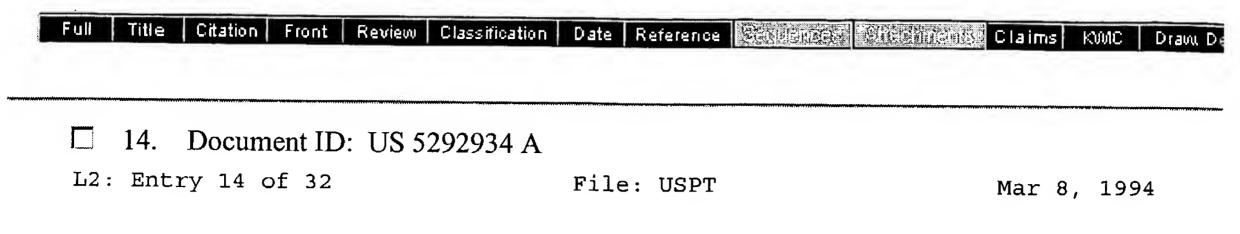
File: USPT

Apr 23, 1996

US-PAT-NO: 5510521

DOCUMENT-IDENTIFIER: US 5510521 A

TITLE: Process for the production of aromatic carboxylic acids

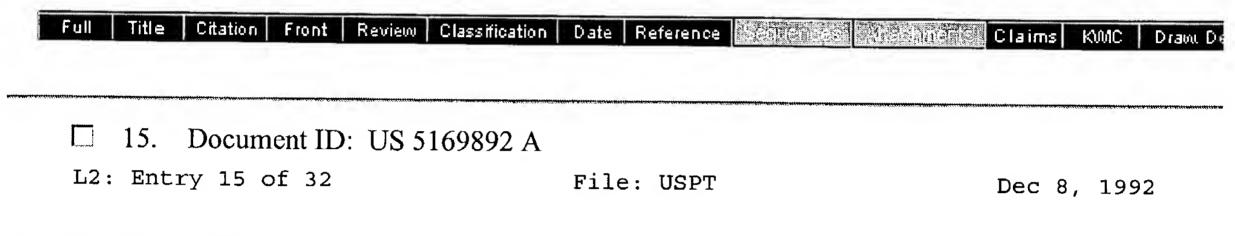


US-PAT-NO: 5292934

DOCUMENT-IDENTIFIER: US 5292934 A

** See image for Certificate of Correction **

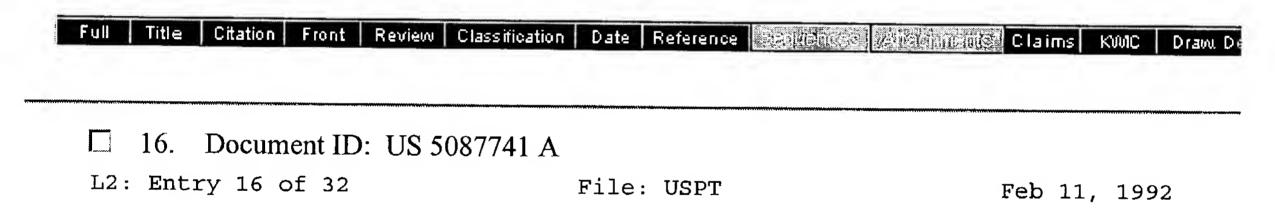
TITLE: Method for preparing aromatic carboxylic acids



US-PAT-NO: 5169892

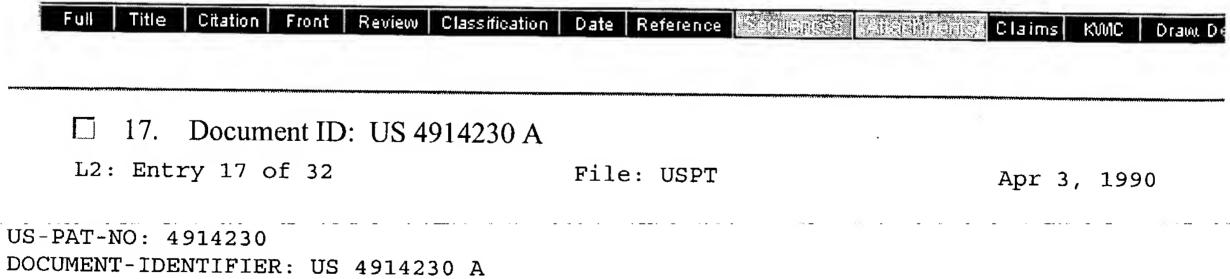
DOCUMENT-IDENTIFIER: US 5169892 A

TITLE: Polyphenylene sulfide resin composition



DOCUMENT-IDENTIFIER: US 5087741 A

TITLE: Continuous production of aromatic carboxylic acids



TITLE: Catalyst recovery method



18. Document ID: US 4826906 A

L2: Entry 18 of 32

File: USPT

May 2, 1989

US-PAT-NO: 4826906

DOCUMENT-IDENTIFIER: US 4826906 A

TITLE: Poly(arylene thioether-ketone) compositions improved in both melt stability

and crystallinity

Full Title Citation Front Review Classification Date Reference <u>Setucios valisationerios</u> Claims KWIC Draw De

☐ 19. Document ID: US 4792621 A

L2: Entry 19 of 32

File: USPT

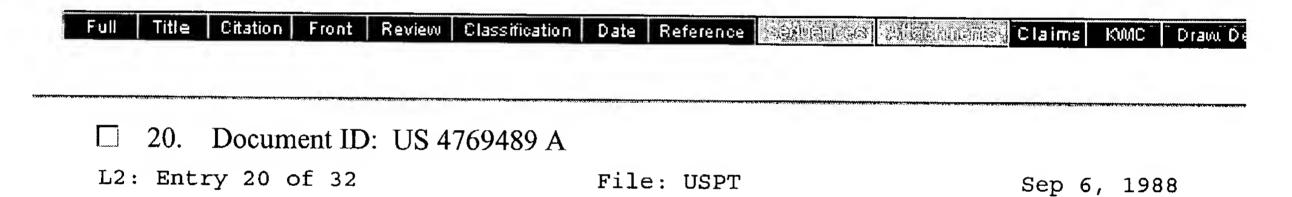
Dec 20, 1988

US-PAT-NO: 4792621

DOCUMENT-IDENTIFIER: US 4792621 A

** See image for Certificate of Correction **

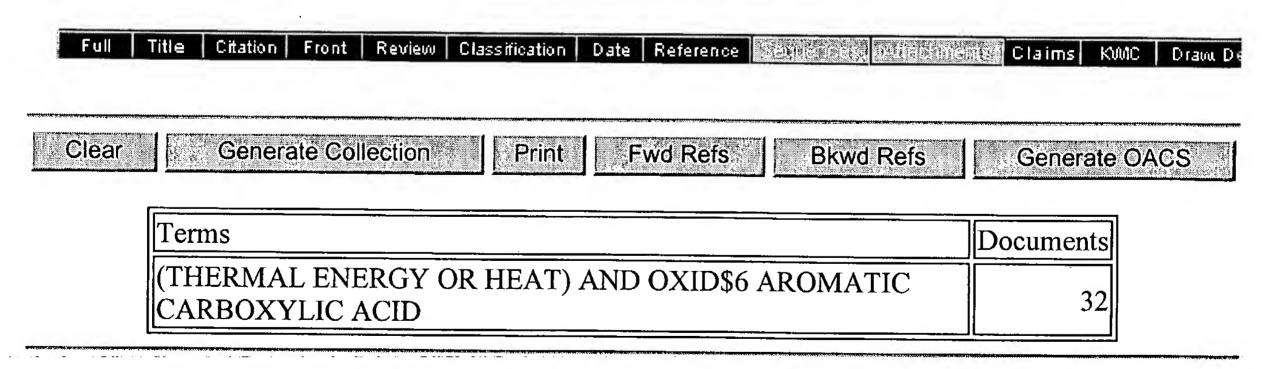
TITLE: Method for continuous production of aromatic carboxylic acid



US-PAT-NO: 4769489

DOCUMENT-IDENTIFIER: US 4769489 A

TITLE: Catalyst recovery method



Display Format: - Change Format

Previous Page

Next Page

©lear Generate Collection Print Fwd Refs Bkwd Refs Generate OACS

Search Results - Record(s) 21 through 30 of 32 returned.

☑ 21. Document ID: US 4277630 A

Using default format because multiple data bases are involved.

L2: Entry 21 of 32

File: USPT

Jul 7, 1981

US-PAT-NO: 4277630

DOCUMENT-IDENTIFIER: US 4277630 A

TITLE: Catalyst and process for producing aromatic hydroxy compounds

DATE-ISSUED: July 7, 1981

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Gelbein; Abraham P.

Plainfield

NJ

Khonsari; Ali M.

Bloomfield

ŊJ

US-CL-CURRENT: 568/801; 568/802

Full	Title	Citation	Front	Review	Classification	Date	Reference	是如何证	feltsekmenter	Claims	KWIC	Drawi D

☐ 22. Document ID: US 4230885 A

L2: Entry 22 of 32

File: USPT

Oct 28, 1980

US-PAT-NO: 4230885

DOCUMENT-IDENTIFIER: US 4230885 A

TITLE: Conversion of aromatic carboxylates to terephthalate

Full Title Citation Front Review Classification Date Reference Californics Attachments Claims KMC Draw De

23. Document ID: US 3979448 A

-L2: Entry 23 of 32

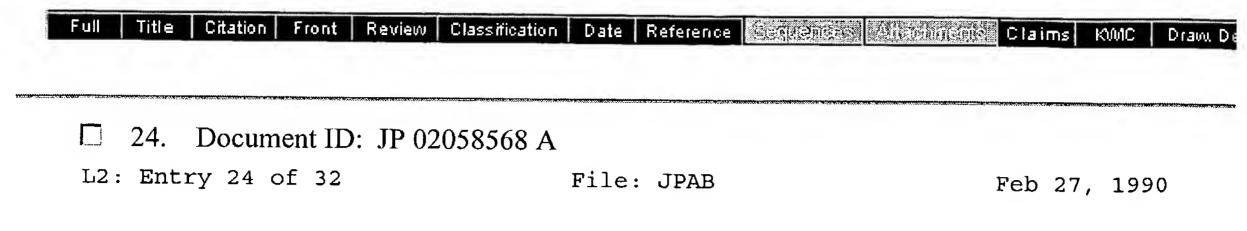
File: USPT

Sep 7, 1976

US-PAT-NO: 3979448

DOCUMENT-IDENTIFIER: US 3979448 A

TITLE: Processes for the continuous production of aromatic carboxylic acids by oxidation with nitric acid of aromatic compounds containing oxidizable acyclic substituents

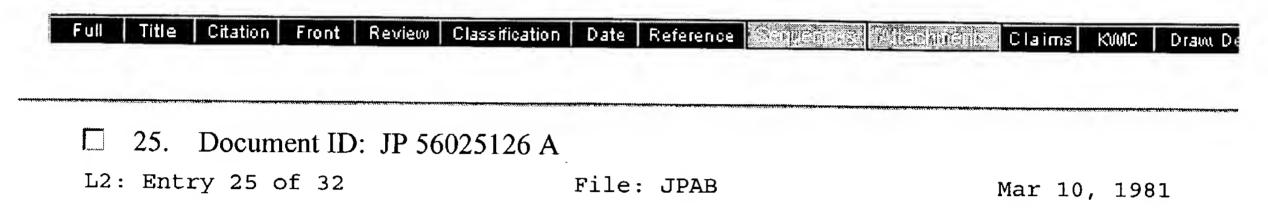


PUB-NO: JP402058568A

DOCUMENT-IDENTIFIER: JP 02058568 A

TITLE: POLYARYLENE THIOETHER KETONE COMPOSITION HAVING IMPROVED MELT-STABILITY AND

CRYSTALLINITY



PUB-NO: JP356025126A

DOCUMENT-IDENTIFIER: JP 56025126 A

TITLE: PREPARATION OF PHENOLS

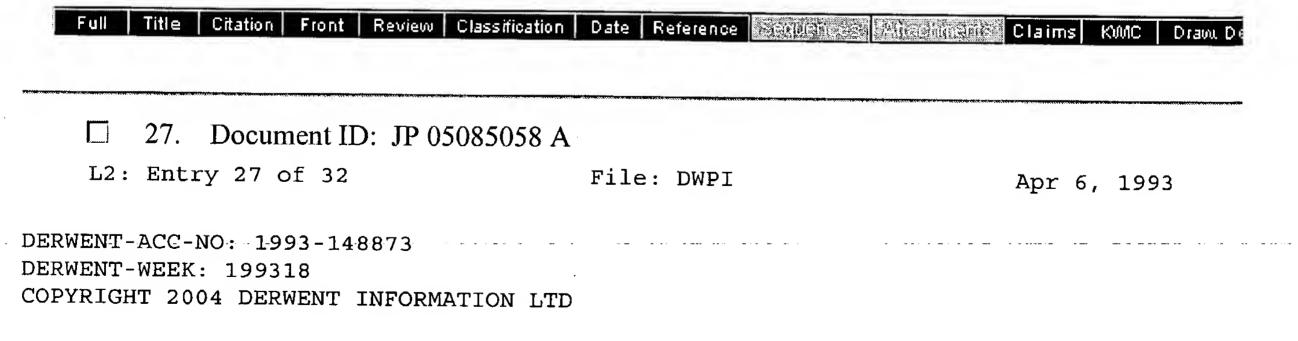
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	26.	Docum	nent II	D: JP 20	002088014	A	and and the second		HEALTH AND DESCRIPTION OF A PARTY OF THE PAR		HERMITTON ACCOUNTES A CO	

DERWENT-ACC-NO: 2002-630168

DERWENT-WEEK: 200421

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TITLE: Manufacture of carbocyclic ring type aromatic carboxylic acid used as synthetic intermediate for pharmaceutical, involves heating carbocyclic ring type aromatic aldehyde in presence of alkali metal hydroxide



TITLE: <u>Heat</u>-sensitive recording material for train ticket, etc. - has colouring layer contg. colourless pre-dye, colour developer, 4,4'-bis(1-aziridino:carbonyl:amino)di:phenyl methane and dispersion of zinc <u>oxide and aromatic carboxylic acid</u>

Full Title Citation Front Review Classification Date Reference Sequences Citation Claims KWC Draw De

28. Document ID: EP 296877 A, US 4826906 A, JP 02058568 A, EP 296877 B1, DE 3852787 G, CA 1335853 C

L2: Entry 28 of 32

File: DWPI

Dec 28, 1988

DERWENT-ACC-NO: 1989-001328

DERWENT-WEEK: 199741

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TITLE: Melt-stable polyarylene thioether ketone compsns. - contain Gp=IA or Gp=IIA

metal salt as stabiliser, for min loss or crystallinity on melt-processing

Full Title Citation Front Review Classification Date Reference Segments Attashine Claims KMC Draw. De

☐ 29. Document ID: US 3171856 A

L2: Entry 29 of 32

File: USOC

Mar 2, 1965

US-PAT-NO: 3171856

DOCUMENT-IDENTIFIER: US 3171856 A

TITLE: Acid purification process

DATE-ISSUED: March 2, 1965

INVENTOR-NAME: KURTZ KERWIN K

US-CL-CURRENT: 562/486; 562/414, 562/417

Full Title Citation Front Review Classification Date Reference Section 4th Interpreted Claims KMC Draw De

☐ 30. Document ID: US 3089907 A

L2: Entry 30 of 32

File: USOC

May 14, 1963

US-PAT-NO: 3089907

DOCUMENT-IDENTIFIER: US 3089907 A

TITLE: Pressure controlled liquid phase oxidation process for aromatic acid

production

DATE-ISSUED: May 14, 1963

INVENTOR-NAME: ALFRED SAFFER; BARKER ROBERT S

US-CL-CURRENT: 562/414

Full Title Citation Front Review Classification Date Reference Scruzzocky Attackmisms Claims KVMC Draw. De

Clear	Generate Collection Print Fwd Refs Bkwd Refs	Generate OACS
	Terms	Documents
	(THERMAL ENERGY OR HEAT) AND OXID\$6 AROMATIC CARBOXYLIC ACID	32

Display Format: - Change Format

Previous Page

Next Page

Clear Generate Collection Print Fwd Refs Bkwd Refs
Generate OACS

Search Results - Record(s) 31 through 32 of 32 returned.

31. Document ID: US 3089906 A

Using default format because multiple data bases are involved.

L2: Entry 31 of 32

File: USOC

May 14, 1963

US-PAT-NO: 3089906

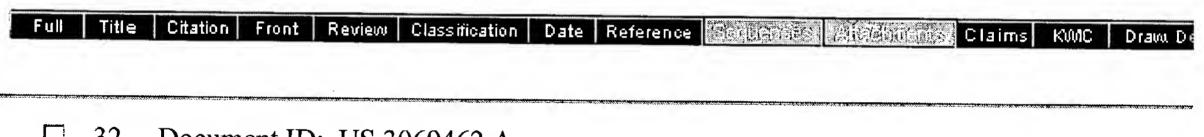
DOCUMENT-IDENTIFIER: US 3089906 A

TITLE: Oxidation chemical process

DATE-ISSUED: May 14, 1963

INVENTOR-NAME: ALFRED SAFFER; BARKER ROBERT S

US-CL-CURRENT: <u>562/414</u>, <u>562/416</u>, <u>562/54</u>



☐ 32. Document ID: US 3069462 A

L2: Entry 32 of 32

File: USOC

Dec 18, 1962

US-PAT-NO: 3069462

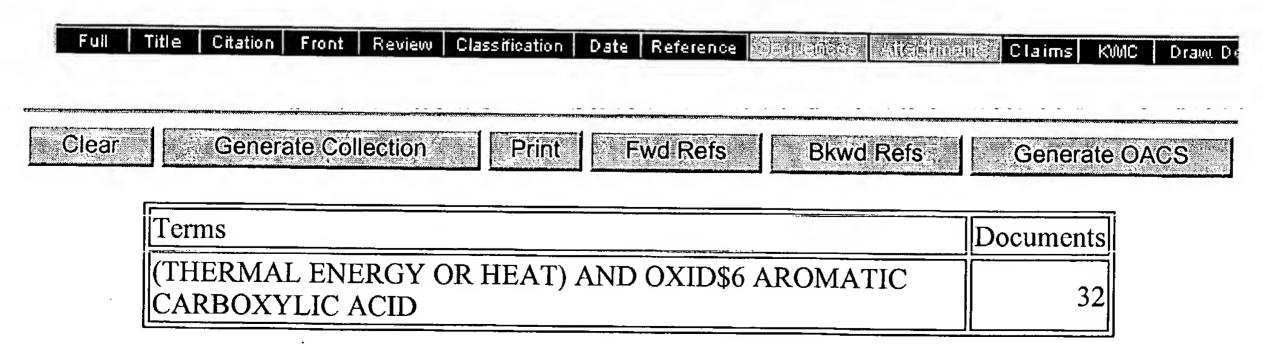
DOCUMENT-IDENTIFIER: US 3069462 A

TITLE: Oxidation of aromatic compounds

DATE-ISSUED: December 18, 1962

INVENTOR-NAME: ALFRED SAFFER; BARKER ROBERT S

US-CL-CURRENT: <u>562/416</u>, <u>502/224</u>, <u>562/421</u>



Display Format: - Change Format

Previous Page

Next Page